

IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (Currently Amended): A wireless channel setting method for a mobile communication system in which a common channel, which all mobile stations are permitted to use for signal exchange at the start of communication, and an individual channel, which is tuned through the setting process for each mobile station, are switched so as to be used as a wireless channel between a mobile station and a wireless base station, the method comprising the steps of:

~~(a) the wireless base station receives~~ receiving, at the wireless base station a transmission signal from a specific mobile station through the common channel; ~~[[,]] and compares~~

sequentially comparing, to a respective corresponding predetermined threshold value, a transmission power value to transmit to the mobile station ~~with a predetermined threshold value~~, a communication quality level to transmit with a mobile station, and a utilization ratio of the common channel, wherein ~~[[,]]~~

~~(b) when the transmission power value is~~, the communication quality level and utilization ratio are lower than the respective corresponding predetermined threshold values ~~value~~, the wireless base station continues the signal transmission/reception, through the common channel, with the specific mobile station~~[[,]]~~, and

~~(c) when~~ any of the sequentially compared the transmission power value ~~exceeds~~ communication quality level, and utilization ratio exceed the respective corresponding predetermined threshold value, the wireless base station sets an individual channel and continues signal transmission/reception, through the individual channel, with the specific mobile station.

Claims 2-3 (Canceled).

Claim 4 (Currently Amended): A mobile communication apparatus comprising:
a control signal processor for setting and switching wireless signals in accordance with a received instruction;

a wireless channel setting controller for determining which wireless channel is to be used by each mobile station based on a notified transmission power over the common channel, and for instructing the wireless channel to be used to the control signal processor;
and

a transmission power measuring unit configured to measure ~~for measuring~~ the transmission power value over the wireless channel for each mobile station, and for notifying the transmission power value to the wireless channel setting controller,

a communication quality measuring unit configured to measure the communication quality level for each mobile station, and for notifying the communication quality to the wireless channel setting controller,

a utilization ratio measuring unit configured to measure the utilization ratio for the common channel, and for notifying the utilization ratio to the wireless channel setting controller,

wherein the wireless channel setting controller sequentially compares the transmission power value ~~provided by a specific mobile station through the common channel,~~ the communications quality level and the utilization ratio, respectively with [[a]] corresponding predetermined threshold value-values and,

when the transmission power value [[is]] , the communication quality level and the utilization ratio are each lower than the respective corresponding predetermined threshold

~~value~~ values, the wireless channel setting controller continues the transmission/reception of signals through the common channel with the specific mobile station, and

when any of the transmission power value ~~exceeds~~, the communications quality level, and utilization ratio exceed the respective correponding predetermined threshold ~~value~~ values, the wireless channel setting controller sets the individual channel for the specific mobile station and transmits an instruction to the control signal processor to continue the transmission/reception of signals through the individual channel.

Claims 5-6 (Canceled).